

Title (en)
SYSTEM AND METHOD FOR ROUTING DATA BETWEEN DIFFERENT TYPES OF NODES IN A WIRELESS NETWORK

Title (de)
SYSTEM UND VERFAHREN ZUM ROUTEN VON DATEN ZWISCHEN VERSCHIEDENEN ARTEN VON KNOTEN IN EINEM DRAHTLOSEN NETZWERK

Title (fr)
SYSTEME ET PROCEDE POUR L'ACHEMINEMENT DE DONNEES ENTRE DIFFERENTS TYPES DE NOEUDS DANS UN RESEAU SANS FIL

Publication
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Application
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Abstract (en)
[origin: WO2006029126A2] A method and system for routing data in a wireless network (400) that enables all nodes (106, 402, 404, 406, 408) to find routes to each other even if the nodes (106, 402, 404, 406, 408) are non-meshed which are incapable of operating as a router to route packets received from other nodes (106, 402, 404, 406, 408), and for associating and reassociating the non-meshed and meshed nodes with other meshed nodes (106, 402, 404, 406, 408). The non-meshed nodes (STA 13 - STA 15) request association with one of the meshed nodes (AP5) which are capable of performing packet routing, to request that the meshed node (AP5) with which the non-meshed node (STA 13) is associating operate as a proxy node to route packets between the associated non-meshed node (STA 13) and other meshed or non-meshed nodes (106, 402, 404, 406, 408). Some of the meshed nodes (106) further operate as intelligent access points (106) to provide the non-meshed nodes (STA 13- STA 15) and other meshed nodes (402) with access to other networks, such as the Internet (402), as well as to effect the association and reassociation of the non-meshed and meshed nodes (106, 402, 404, 406, 408).

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